

FY2004 END OF YEAR REPORT

DEPARTMENT OF ENVIRONMENTAL QUALITY

DIVISION OF WATER QUALITY FY2004 GOALS

Mission:

Protect, maintain and enhance the quality of Utah's surface water and ground water to allow appropriate beneficial uses, and protect public health while giving reasonable consideration to economic impacts.

1. Foster integrated information management and 24 hour service through the Internet.^{EIMI}

Measures:

- a. Complete modifications to the ground water compliance database to allow electronic reporting of DMRs and the generation of compliance reports. (5/30/04 GW Section Manager)

STATUS: *To achieve the goal of having a reliable capability to electronically transfer data into the database, the obsolete SilverStream and PowerBuilder interfaces will need to be replaced, which will require substantial labor resources by an outside IT contractor. Instead of pursuing this labor-intensive and cost expensive endeavor, the Division is evaluating the STORET database system as a replacement to the ground water compliance database. The Division has successfully implemented the STORET database for other water programs. These have received recent national recognition.*

- b. Make modifications and progress in getting data into our surface water database and enhance user access.
 - 1) Restore data accessibility to all workstations in the office (10/01/03 Arne)

STATUS: *Accomplished*

- 2) Work to electronically transfer macroinvertebrate data to the system from USU (6/1/04 Arne)

STATUS: *Accomplished*

- 3) Electronically transfer periphyton data to the system (6/30/04 Arne)

STATUS: *Accomplished*

- 4) Evaluate the contract option to make blue fish functions available to the public. (12/31/03 Richard)

STATUS: *Seeking financial support, but we have developed a data management package within the TMDL section using contractual support to download water quality data through GIS overlay of sites linked to our water quality database.*

- c. Modify the electronic stormwater permitting system to generate needed management reports. (3/15/04 Mike H.)

STATUS: *This has been completed.*

- d. Evaluate other general UPDES permits for electronic issuance and make recommendations. (3/01/04 Mike H.)

STATUS: *Most of our general permits require decision making on the part of the staff regarding effluent limits such that electronic issuance would be precluded. The only other general permit that could be issued electronically would be the one for water treatment plants.*

- e. Insure that all public notices for permits and Water Quality Board Agendas are noticed on our web site (Ongoing - Faye & Section Managers)

STATUS: *This task has been accomplished and is still ongoing.*

- 2. Implement Core Programs in an efficient and professional manner.

Measures:

- a. Establish and meet response deadlines. Response items are tracked and a performance report is submitted to Branch managers and the Division Director 10/1/03, 1/02/04, 3/01/04 and 6/30/04. Branch managers and section managers to agree on report contents. (Ongoing – all section managers).

STATUS: *The Permits and Compliance Section prepares a bi-weekly report on the status of all enforcement actions for the Branch Manager.*

As reported below the Construction Assistance section is current on all items, and have remained so for all new items for FY '05.

Richmond – draft engineering agreement, received 2/9/04, responded 7/20/04; response time = 5 months

Bear Lake – plan of operation, received 12/5/03, responded 7/22/04; response time = 7 months

Bear Lake – O&M manual, received 1/9/04, responded 7/22/04; response time = 6 months

Gunnison – draft engineering agreement, received 7/22/03, responded 7/28/04; response time = 12 months

Millville – facility plan, received 2/14/01, responded 8/13/04; response time =

3.5 years

Nibley - O&M manual, received 5/22/03, responded 7/30/04; response time = 14 months

North Fork – special request by the WQB for information regarding engineering costs, received 1/8/04, responded 8/13/04; response time = 7 months

North Fork – draft engineering agreement for design/CMS, received 10/21/03, responded 7/15/04; response time = 9 months

Pleasant Grove – disbursement request No. 1, received 5/1/03, responded 7/29/04; response time = 3 months (only 5 days are allowed for this response)

PCIFB/PRWID – sewer extension plans, received 3/11/04, responded 6/17/04; response time = 3 months

The ground water protection section uses an Access database system to record and track all ground water related tasks. Bi-weekly task tracking reports are generated to ensure that response deadlines are met in a timely and efficient manner.

Operate programs in a manner to facilitate customer satisfaction as evidenced by minimizing complaints, permit appeals, etc., and maximizing positive feedback. (Ongoing)

- b. Implement programs effectively in accordance with rules and statute to protect water quality. (Ongoing)

STATUS: The Ground Water Protection Section and the Permits and Compliance Section includes a permittee questionnaire with every original permit issuance or permit renewal to solicit feedback regarding customer satisfaction regarding the permitting process. This feedback is used as a tool to evaluate the permitting process and make adjustments and improvements when necessary. Recent feedback has been very positive.

- c. Maintain an effective working relationship with EPA and local health departments. (Ongoing)

3. Implement the Phase II Stormwater Program.

Measures:

- a. Develop an active community stakeholder group to address implementation concerns. (8/31/03 Mike H.)

STATUS: The Utah storm water advisory committee composed of municipal storm water representatives, conservation groups, and private consulting firms was created in December of 2003.

- b. Initiate first outreach/education activities. (11/15/03 Mike H.)

STATUS: Two Phase II education workshops were presented to the municipalities. They

were eight hour workshops held in Salt Lake City and Santa Clara City, (October, 2003).

4. Implement the Utah AFO/CAFO strategy.

Measures:

- a. Modify state rules to reflect required federal changes. (3/01/04 Mike H.)

STATUS: *This was completed on 4/1/04.*

- b. Maintain a strong partnership approach to emerging issues. (Ongoing)

STATUS: *We have coordinated and relied upon several State and Federal Agricultural agencies in the development of our CAFO program. We will continue to do so as new issues arise.*

- c. Track annual progress of potential CAFOs and take appropriate actions. (1/15/04 Mike H.)

STATUS: *With the help of the Farm Bureau and the NRCS we have been keeping track of potential CAFO's.*

- d. Prepare and distribute a progress report on the CAFO Strategy. (1/31/04 Mike)

STATUS: *A couple of progress reports were completed during the year. Presentations were made to the AFO/CAFO Committee and the Water Quality Board. Jack Wilbur, the NPS Program Information and Education Coordinator at the Utah Department of Agriculture and Food completed a 12 page color publication documenting five years of progress in implementing the AFO/CAFO Strategy.*

Annual progress reports are prepared and submitted by the Utah Farm Bureau each January. EPA has the report for January 2004.

- e. Make a determination of proper approach and implement UPDES coverage of ground water permitted CAFOs. (4/15/04 Mike H.)

STATUS: *The Division has evaluated several options for implementing UPDES coverage of ground water permitted CAFOs and has determined that the best approach is to include the federal requirements for a general CAFO permit into each state CAFO ground water permit. This is a sound approach because Utah ground water permits include requirements that are more stringent than general federal CAFO permits regarding containment technology, compliance monitoring, and reporting requirements.*

5. Accomplish an effective program for completion and implementation of TMDLs.

Measures:

- a. Track and complete scheduled TMDLs for listed water bodies (6/30/04 Harry)

STATUS: *All scheduled submissions were completed*

- b. Implement processes to establish legal support for previously approved and new TMDLs. (10/1/03 Harry)

STATUS: *The process has been completed. After receiving approved TMDLs from EPA these are then incorporated by reference into the water quality standards. All approved TMDLs prior to 2004 have been incorporated and we are preparing to submit those submitted in April, 2004 that have been approved. The only submitted TMDL awaiting approval is Ashley Creek which was submitted in August, 2003.*

- c. Establish an effective in-house procedure to insure appropriate waste load and permitting assumptions and policies are incorporated into TMDL development. (8/31/03 Harry)

STATUS: *We have developed a process for sign off of WLA and Permitting staff for all submitted TMDLs. A memo containing WLA for those identified parameters of concern is developed and contains signatures of the person responsible for determining permit WLA and the Permits and Compliance Section Manager.*

- d. Watershed coordinators will monitor and manage implementation activities for completed TMDLs by establishing implementation milestones, identifying milestone leaders and tracking their completion. Tracking reports will be submitted to Division of Water Quality managers and others on July 1 and January 1. (Harry)^{WTR}

STATUS: *Tracking reports for all approved TMDLs are developed and submitted to the DWQ management on January 15 each year.*

- e. Maintain sound fiscal management of contracts by tracking contract amount, expenditures to date and availability of funds to meet obligations via quarterly reports. (Ongoing Harry & Stacy)

STATUS: *A spreadsheet containing contractual obligations versus available 106 funds is in place and compared against DWQs fiscal management budget for these funds to assure accuracy and sound accounting for funds set aside for development of TMDLs.*

- f. Submit a semi-annual status report of TMDL progress. (1/15/03 and 6/30/04)

STATUS: *This is completed in relationship to supplying information to the PPA as required to track the progress of TMDL completion. In addition this information is submitted to Region VIII staff as part of the submission of the*

303(d) list and in conjunction with the submission of any TMDLs for approval.

6. Effectively implement the DEQ initiative on subdivisions and growth with local health departments. ^{CBEF}

Measures:

- a. Establish a project work group consisting of LHD, DEQ, EPA and county/city planning stakeholders.

STATUS: *The 27-member workgroup is comprised of representatives of local health departments, Utah DEQ, Governor's Office of Planning & Budget, Utah Association of Realtors, Utah Home Builders Association, Utah County Records Association, Utah League of Cities and Towns, Utah Municipal Records Association, Utah Association of Counties, American Society of Landscape Architects, Washington County Planning, Utah Association of Special Service Districts and private planning consultants. Its first meeting was held in October 2003 and the group has met approximately monthly since then.*

- b. Develop a detailed charge and scope of work for the project.

STATUS: *The charge to the workgroup is: "To assist and provide guidance to local governments and the Utah Department of Environmental Quality in responding to issues of culinary water and wastewater disposal in old and new subdivisions through partnerships."*

The workgroup was divided into three sub-workgroups: Education Subcommittee, Model Ordinance Subcommittee, and the Legal Subcommittee.

- c. Establish a task schedule and track and report progress quarterly.

STATUS: *The Workgroup meets approximately monthly with an agenda and meeting summary prepared for each meeting. Recommendations for statutory changes have been forwarded to a legislative steering committee that has incorporated them into proposed statutory changes for the 2005 Legislative Session. The Workgroup will continue to meet to determine how to address environmental problems with existing subdivisions.*

7. Establish an effective Biological Monitoring Program. ^{RGI}

Measures:

- a. Prepare an annual biological monitoring plan based upon needs and use of the data. (4/15/04 Richard & Tom)

STATUS: *Completed for 2004*

- b. Prepare and distribute an assessment report for each water body where biological monitoring is conducted. (Ongoing – Richard)

STATUS: *Ongoing 50 sites completed in 2004*

- c. Develop a biological monitoring strategy identifying key steps in utilizing such data. (10/15/03 Richard)

STATUS: *Ongoing, probable completion date 06/01/2005*

- d. Evaluate and make recommendations for future biological program needs in coordination with WQM and TMDL sections. (6/30/03 Richard)

STATUS: *Accomplished*

- e. Effectively implement E-map to provide required data to EPA and to enhance the state program. (Ongoing Richard)

STATUS: *Accomplished, additional reference sites to be done in FY06*

- 8. Improve and Enhance DWQ Employee Resources measures.

Measures:

- a. Participate fully in DEQ employee training and leadership training (Ongoing)

STATUS: *Tom Toole attended two classes in 2004.*

- b. Establish a DWQ professional geologist strategy to comply with licensing laws. (10/31/03 Candace)

STATUS: *The Utah Administrative Rules For Ground Water Quality Protection (R317-6) and Underground Injection Control (R317-7) have been revised to comply with the professional geologist licensing laws. The revised rules for R317-6 were adopted by the Utah Water Quality Board on June 23, 2004 and the revised R317-7 (UIC) rules were adopted by the Board on October 15, 2004.*

- c. Establish a policy to meet professional engineers continuing education requirements

STATUS: **Done**

- d. Evaluate staff development ideas and options.

STATUS: *A survey of DWQ staff was performed in September and the results presented in a division-wide meeting. In January 2005 two employee representatives will be selected to spearhead efforts to address the concerns that were raised.*

DWQ is also embracing the department-wide initiative for leadership development.

9. Implement a successful underground wastewater disposal system program.

Measures:

- a. Maintain a positive working relationship with the LHDs. (Ongoing)
- b. Continue to work with USU to provide an effective training, certification and continuing education program. (Ongoing, Kiran)

STATUS: USU Onsite Training Center efforts are monitored with necessary assistance and participation in their activities. The training center offered a number of training and refresher courses throughout the year.

- c. Develop a detailed subsurface wastewater program plan and schedule of activities and actions that are needed. (8/30/03, Kiran)

STATUS: Progress continues in revision of the rule in cooperation with local health departments. Assistance to local health departments on as needed basis continues in interpretation of the rule and technology matters.

- d. Work with the CLEHA committee to establish leadership in promoting the individual wastewater program. (Ongoing, Kiran)

STATUS: Monthly meetings were attended and progress continues in incorporation of technologies in the rule. Research on packed bed media systems is nearing completion.

- e. Develop a MOA with the SW District Health Dept to address gravel filters. (12/01/03, Kiran)

STATUS: The memorandum of agreement was developed and executed by the health department and the division on September 5, 2003.

10. Complete necessary rulemaking with effective stakeholder involvement.

Measures:

- a. Adopt gray water rules. (12/15/03, Kiran)

STATUS: Rules were adopted in July 2004.

- b. Revise ground water rules to update standards and address protection levels.(1/31/04, GW)

STATUS: This item has been completed after holding a stakeholder comment period, a

public comment period, adoption of the revised rules by the Utah Water Quality Board, and publication of the revised rules on August 20, 2004.

- c. Complete tri-ennial review of water quality standards and anti-degradation policy. (12/31/03, Mike)

STATUS: *The triennial review of the water quality standard was completed during the year and became effective on January 6, 2004. This revision included state anti-degradation implementation procedures, fulfillment of a long awaited EPA disapproval item. Other revisions include updated ammonia criteria and correction of errors in use classifications.*

- c. Modify UPDES rules to reflect new CAFO requirements. (3/1/04, Mike H.)

STATUS: *This was completed on 4/1/04.*

- e. Modify individual wastewater rules to reflect needed updates. (6/30/04, Kiran)

STATUS: *In progress*

- f. Modify Rules to adopt TMDLs by reference. (11/30/03, Harry)

STATUS: *This activity was accomplished. All approved TMDLs have been or are in the process of being adopted into the water quality standards by reference.*

- g. Modify rules to reflect references to FMFP.

STATUS: *The FMFP rules were deleted from state administrative rule in 2003.*

- h. Modify rules to reflect changes to wastewater reuse requirements. (11/01/03, Kiran)

STATUS: *In progress*

UIC PERFORMANCE PARTNERSHIP GRANT AGREEMENT FY 2004

The Utah Department of Environmental Quality, Division of Water Quality (Utah DWQ), certifies that it maintains and implements an adequate Underground Injection Control (UIC) Program in conformance with federal and state laws, regulations, and conditions set forth in program authorization (delegation) documents.

As long as the Utah DWQ maintains an adequate program, the Regional Administrator of the United States Environmental Protection Agency (USEPA) Region VIII and the Director of the Utah Division of Water Quality agree this Agreement shall remain in effect, except as amended through mutual agreement.

Grant dollars awarded by the USEPA may be used by the Utah DWQ to perform core program

activities to adequately maintain its UIC program, even when these activities are not specifically defined by goals, measures, and/or reporting requirements.

CORE PROGRAM ACTIVITIES

Utah DWQ agrees to conduct core program activities as described in and as evidenced by the submittal of the UIC Program reports itemized in Table I.

USEPA agrees to provide the following support to the Utah UIC Program:

1. One annual midyear review of Utah UIC Program.
2. Technical training, as appropriate and as funds allow.
3. Seventy-five percent (maximum) of funds necessary to operate the core State UIC Program, assuming a federal budget funding level near or equal to the past three years. Should funding levels drop significantly, USEPA will review core program elements and provide appropriate revisions.

GOALS

1. To protect Underground Sources of Drinking Water (USDWs) from contamination by maintaining and implementing an effective core DWQ UIC program.

Measures:

- a. Evaluation of core program effectiveness, reported in the annual narrative program report to the Administrator. (Annually)

STATUS: *Evaluation of the core program effectiveness is based on successful completion of the 9 core program activities listed below:*

1. *Significant Noncompliance Report (SNC) -- semi-annually (EPA form 7520-2B)*
2. *Exceptions Report -- quarterly (EPA form 7520-4)*
3. *Compliance Evaluation Report -- semi-annually (EPA form 7520-2A)*
4. *Permitting Report-- annually (EPA form 7520-1)*
5. *Inspections and Mechanical Integrity Testing Report -- semi-annually (EPA form 7520-3)*
6. *Updated UIC well inventory – annually*
7. *Number of Class V Activities Narrative – semi-annually*
8. *Number of Class IV/V Well Closures (voluntary and involuntary) - semi-annually*
9. *Narrative of accomplishments for the year and Class V identification, activity, and closure - annually.*

Successful completion of these activities in FY 2004 was demonstrated by the timely submittal of the EPA Forms and Narratives indicated above. Although not required in FY2004, Utah also submitted the new EXCEL spreadsheets for reporting UIC Program Activity Measures (PAMs) that include new reporting

measures that have not been part of the 7520 Forms required in the past. The new EXCEL spreadsheet forms will be required in place of the 7520s in FY2005.

- b. Enforce the new Class V Rule regarding motor vehicle waste disposal wells and large capacity cesspools.

STATUS: *One motor vehicle waste disposal wells (MVWDs) was closed during FY 2004.*

- c. Report the number of underground injection wells tested for mechanical integrity to assure that the injection fluid stays within the well and within the injection zone, and the number that passed. (Semi-annually - EPA Form 7520-3)

STATUS: *The referenced EPA Form was submitted on April 23, 2004 and November 10, 2004. No mechanical integrity tests (MIT) were witnessed during FY2004.*

- d. Report the number of Class IV/V injection wells (by well type) closed voluntarily and involuntarily (semi-annually). Provide narrative of other actions taken to identify Class V wells and to address potential endangerment from Class V wells. (Annually - narrative)

STATUS: *EPA Form 7520-2B, which includes closure of Class IV/V wells, was submitted on April 23, 2004 and November 10, 2004. UIC staff is beginning to integrate the use of ArcGIS with the data layers from other agencies such as the Utah Division of Environmental Response and Remediation (DERR) and the Division of Drinking Water (DDW), to name just a few, in prioritizing our inventory and inspection effort. By educating other state agencies in the identification of Class V injection wells, particularly motor vehicle waste disposal wells (MVWDs), the UIC program is expanding its coverage in the field.*

- 2. To reduce violations of state Ground Water Quality Standards through permitting, pollution prevention, compliance, and enforcement measures.

Measures:

- a. Number of discharges by industrial Class V and other potentially endangering wells controlled by closure or permit. (Annually)

STATUS: **This number is the same as the number of MVWDs closed - 1.**

- b. Utah UIC Program monitoring activities done according to the EPA-approved Quality Assurance Project Plan (QAPP) for DWQ. (Annually)

STATUS: **All permitted facilities conduct their monitoring according to the EPA-approved Utah Quality Assurance (QA) Plan for the Underground Injection Control (UIC) Program (July 5, 1990).**

3. To encourage responsible environmental behavior and promote excellence in environmental quality through environmental education, community-based partnerships and qualitative and quantitative feedback from regulated and non-regulated customers.

Measures:

- a. Number of presentations to local government groups, local health departments, public works departments, private sector groups, civil groups, etc. which include UIC concerns and opportunity for feedback. (Annually)

STATUS: *The UIC staff made the following presentations in FY2004:*

Utah UIC Web Page, presented quarterly by Candace Cady, UIC Program, to the DERR UST Consultant Certification Renewal. These presentations are made to consultants to familiarize them with the web page and to present resources available for understanding the UIC Program.

Shallow Waste Disposal Wells are Everyone's Business; presented by Candace Cady, UIC Program, to Utah League of Cities and Towns - Annual Water Conference in Springdale, Utah on October 16, 2003. The talk included a discussion of Motor Vehicle Waste Disposal Wells, Large-Capacity Cesspools, Industrial Disposal Wells and Storm Water Drainage Wells and was presented to local government planners.

- b. List of those contacted regarding new Class V rule. (Annually)

STATUS: *In addition to the contacts made at the presentations listed above, the UIC program is educating other state agencies, particularly the field inspectors, in the identification of Class V injection wells. Our intention is that these inspectors can in turn educate their contacts about the UIC program and MVWDs in particular.*

Table I - UIC Reporting Requirements FY 2004

Due Date	Reporting Cycle	Report Required
January 20	Quarterly	Quarterly Exceptions List (Form 7520-4)
April 20	Quarterly, Semi-Annual	Compliance Evaluation and Enforcement (Form 7520-2A) Significant Non-Compliance and Enforcement (Form 7520-2B) Inspections, and Mechanical Integrity Testing (Form 7520-3) Quarterly Exceptions List (Form 7520-4) Class V Activities Narrative

		Number of Class IV / V Voluntary Closures Number of Class IV / V Involuntary Closures
July 15		Draft FY 2004 Work Plan
July 20	Quarterly	Quarterly Exceptions List (Form 7520-4)
October 20	Quarterly, Semi-Annual, Annual	Permit Review and Issuance, AOR (Form 7520-1) Compliance Evaluation and Enforcement (Form 7520-2A) Significant Non-Compliance and Enforcement (Form 7520-2B) Inspections, and Mechanical Integrity Testing (Form 7520-3) Quarterly Exceptions List (Form 7520-4) Class V Activities Narrative Number of Class IV / V Voluntary Closures Number of Class IV / V Involuntary Closures UIC Inventory Update Number of 5X28 Wells Closed or Permitted Class V Inventory Progress
December 31	Annual	Final Financial Status Report (FSR) Update Annual Inspection Schedule

UTAH FY2004

UPDES PERFORMANCE PARTNERSHIP GRANT AGREEMENT (PPGA)

The Utah Department of Environmental Quality(DEQ) shall fully implement and enforce its delegated UPDES program (including, as appropriate, general permitting, pretreatment, biosolids, CAFO, and storm water programs) as required by 40 CFR Parts 122-124, 403, 501 and 503, its delegation MOA July 7, 1987, SEA, Inspection Plan, and any other agreements with EPA regarding program implementation. The PPA may specify goals and objectives for activities beyond the base level of performance, but, in no way, should this be interpreted as relief from full implementation of the base program.

The DEQ certifies that it has, maintains, and implements an adequate UPDES program including

pretreatment, biosolids, CAFO, and storm water in conformance with federal and state laws and regulations and conditions set forth in program authorization (delegation) documents.

As long as the DEQ maintains an adequate program, the EPA and the DEQ agree that this Agreement shall remain in effect, except as amended through mutual agreement.

Grant dollars awarded by the EPA may be used by the DWQ/PCS to perform core program activities to adequately maintain its UPDES program, even when these activities are not specifically defined by goals, measures, and/or reporting requirements.

GOAL:

Continue to fully implement the ongoing UPDES pretreatment, biosolids, CAFO, and storm water management programs as per the following “**CORE PROGRAM ACTIVITIES**” and “**COMPLIANCE AND ENFORCEMENT ACTIVITIES**” together with the annual FY’2004 Division of Water Quality, Goals and Objectives.

UPDES Program Reporting Measures Tied To Core Program Activities:

1. Number and percent of facilities that have a discharge requiring an individual permit that:^{CPM, W8}

- (a) are covered by a current UPDES permit

STATUS:

*25 Individual Municipal – Majors
37 Individual Municipal – Minors
8 Individual Industrial – Majors
47 Individual Industrial – Minors
30 Individual Biosolids
17 General Permit, Coal Mining
16 General Permit, Construction Dewatering
14 General Permit, Aquaculture (Fish Hatcheries)
50 General Permit, Concentrated Animal Feeding Operations (CAFO’s)
3 General Permit, Ground Water Contamination with Petroleum Products
37 General Permit, Drinking Water Treatment Plants
530 General Permit, Storm Water Construction
678 General Permit, Storm Water Multi Sector
60 General Permit, Phase II Municipal
1 Individual Storm Water, Salt Lake County Phase I Co-Permit
(includes 13 phase II MS4’s)
1 Individual Storm Water, Salt Lake City Municipal
39 Individual Industrial Storm Water (within individual permits)
1 Individual Storm Water UDOT Statewide MS4
1 Individual Storm Water Salt Lake City International Airport
1,595 Total Current Permits*

- (b) have expired permits

STATUS: *None*

- (c) have applied for, but have not yet been issued an individual permit

STATUS: *One – Casper Ice Cream*

- (d) have individual permits under administrative or judicial appeal

STATUS: *None*

2. Each year, 95% of priority permits and 90% of all permits are issued or reissued within the 5 year statutory timeframe. If the number of expired permits is greater than 10% at any time, provide a listing the permittees that have expired permits and a plan showing how the State will expeditiously reduce the backlog to 10%.

STATUS: *To our knowledge we have had only two permits backlogged. One of those permits was for Morton Salt. It was administratively extended while applicable laboratory procedures for Great Salt Lake waters were determined. Morton Salt has since been issued.*

The other is for Central Valley WWTP. We have developed a program to renew all the permits on the Jordan River near the same time period in order that a proper allocation of ammonia/nitrogen can be made to each of the wastewater treatment plants through the wasteload allocation/TMDL process. This allocation process is near completion and the Central Valley permit will be public noticed and issued soon. Our backlog has remained below 10%.

3. Number of permits issued on a geographic or watershed basis to meet watershed goals.

STATUS: *This is being accomplished on the Jordan River as described above. It involves five major municipal facilities.*

4. Number of permits requiring modifications/reissuance to implement applicable waste load allocations (WLAs) in approved TMDLs and number of permits that have been modified/issued to implement WLAs in approved TMDLs.

STATUS: *There have been no permits opened and modified to implement TMDL allocations. Unless the 303d listed receiving stream is impaired for acutely toxic parameters and a change in the UPDES permit will make a relatively immediate improvement and mitigate obvious stream damage, the normal permit cycle will be preserved. TMDL requirements will be implemented into the permits at renewal time.*

5. Number of storm water sources associated with industrial activity, number of construction sites over one acre, and the number of designated storm water sources (including Municipal Phase I and Phase II) that are covered by a general UPDES permit or other enforceable mechanism.^{CPM W9}

- a. # that are covered by each current storm water general permit (e.g., industrial, construction, MS4);

Currently Active General Permit Coverages

678	UTR000000	Multi Sector General Permit
530	UTR100000	General Construction Permit
60	UTR090000	Phase II MS4's
1	UTS000001	SL County Co-Permit
1	UTS000002	SL City Municipal SW
1	UTS000003	UDOT Municipal SW
1	UT0024988	SLC International Airport
17	UT0400000	Coal Mine General Permit
39	Other Individual Permits With SW Provisions	

- b. # that are covered by current individual storm water permits (e.g., Phase I MS4s)

STATUS: *Utah has 4 individual storm water permits and an additional 39 individual permits which include storm water provisions.*

- c. # of expired general or individual storm water permits

STATUS: *Salt Lake City International Airport has been operating under administrative extension of their permit pending airport storm water management upgrades. This permit expired May 30, 2004.*

6. Implement the Storm Water Phase II Regulations.

STATUS: *Permits have been issued to Phase II MS4's within the delineated urbanized areas. Annual reports have been received for year 1, implementation continues.*

7. Percentage of Significant Industrial Users (SIUs) in POTWs with Pretreatment Programs and % of known Categorical Industrial Users (CIUs) in non-pretreatment POTWs that have control mechanisms implementing applicable Pretreatment standards and requirements.

STATUS: *100% of our SIU's in POTW's with pretreatment programs have an appropriate control mechanism implementing applicable pretreatment standards and requirements. With the exception of Richmond City we know of no non-pretreatment POTW's which have the CIU's/SIU's. The CIU/SIU on Richmond's system does not presently have control mechanisms. However, Richmond is in the process of obtaining a pretreatment program and the industrial user is building a treatment system.*

8. Implement the Utah AFO/CAFO Strategy to the maximum extent possible. Specific commitments include:
 - a. Take necessary steps to incorporate the February 12, 2003 CAFO rules into the state program by April 12, 2004.

STATUS: *This was completed on 4/1/04.*

- ~~b.~~ For all permitted CAFOs, enter permit facility data, permit event data, and inspection data into PCS.

STATUS: *Completed.*

- ~~c.~~ Implement the process to address all animal feeding operations that are impacting water quality. Provide progress on implementation to EPA.

STATUS: *This is ongoing. Annual progress reports are prepared and submitted by the Utah Farm Bureau each January. EPA has the report for January 2004.*

9. Work with EPA to resolve program concerns regarding potential discharges to waters of the U.S. associated with drinking water systems which have mine tunnel source waters. Identify, evaluate, and permit such discharges in concert with TMDL studies for the respective watersheds (if appropriate) and as needed to be in harmony with water quality standards.

STATUS: *This is ongoing.*

UPDES Program Reporting Measures Tied To Compliance and Enforcement Activities

1. Ensure maintenance of information management systems sufficient to plan, track, assess, and make adjustments to program activities.
 - a. Properly enter data into the PCS data system such that the federally required data fields are kept current.

STATUS: *This is routinely done on a daily basis.*

- ~~b.~~ Data is entered accurately - the PCS Data Entry Percentage Rate is at 95% or higher and includes permitting, compliance, and enforcement data required by the PCS Policy Statement. This can be measured by USEPA, as needed, for quality

assurance purposes. UTDEQ addresses this in its Self Assessment.

STATUS: *PCS data entry rate is regularly at 97% or higher and includes permitting, compliance, and enforcement data required by the PCS Policy Statement. Utah routinely performs its own self-assessments for quality assurance.*

2. Non Major Facilities Compliance Report.

Continue to report non-major facilities compliance data the same as majors through the PCS data management system.

STATUS: *Non-major facility data is entered into PCS. Utah handles the non-major facilities in the same manner as major facilities. The QNCR is used to determine non-compliance with permit limits and schedules. Data entered is quality checked for accuracy.*

3. Coordinate inspection activities among programs and between the State and USEPA. Incorporate targeted USEPA national and regional priority sectors, as agreed upon between UTDEQ and USEPA. Include those sectors, as agreed upon, when planning IU inspections by UTDEQ or USEPA. Consider planning inspections to complement timing and focus on watershed efforts. Inspections will be made in accordance with the mutually agreed to annual inspection plan.

- a. Submit draft inspection plan for FY05 by June 1, 2004, and final inspection plan within 30 days of receiving EPA's formal comments on the draft plan

STATUS: *The draft inspection plan was submitted by e-mail on June 8, 2004. The final plan has not yet been agreed upon. The plan has been negotiated and will be finalized after EPA returns it to the State.*

- b. Track inspections in PCS.

STATUS: *We routinely record all inspections in PCS – major and minor.*

4. Sanitary Sewer Overflows (SSOs)

- a. Conduct inspections of SSOs that create a significant threat to public health and the environment that are not otherwise resolved by the local health departments.^{CPM, E1}

STATUS: *There have been 112 SSOs reported this past year. All of these were responded to and appropriately resolved by the local health departments and owners (cities, towns, districts, etc.) of the wastewater collection systems. These SSOs were caused by tree roots in lines, equipment failure, rocks in lines due to construction, oil and grease in lines, etc. None of these resulted in pollution of waters of the State.*

- b. Continue to inspect and inventory (ask questions of) permittees for SSO occurrences and resolutions.

STATUS: *This is being done and will continue.*

- c. Track SSO inspections under the appropriate codes in PCS.

STATUS: *No inspections were warranted this year.*

- d. Submit to EPA Region 8 an End Of Year Report that will include :

- i Number of UPDES inspections targeted to identify SSOs

STATUS: *none*

- ii Number and type of formal and informal enforcement actions taken in response to SSOs

STATUS: *none*

- iii An updated SSO inventory

STATUS: *See hard copy transmitted under separate cover.*

- iv Number and percent of SSO inspections in priority watersheds including the name of the priority watershed ^{WTR}

STATUS: *none*

- v The percent of enforcement actions in priority watershed ^{CPM E6}

STATUS: *none*

- vi A description of how 20% of the systems in the SSO inventory were addressed

STATUS: *100% of the reported SSOs were appropriately addressed by the Local Health Departments and sewer collection system personnel to protect public health and the environment.*

- e. The State in conjunction with local health departments, sewer system management, and EPA will work together to address at least 20 % of the identified SSOs as per Utah's EMS.

STATUS: *100% of the reported SSOs were appropriately addressed by the Local Health Departments and sewer collection system personnel to protect public health and the environment.*

5. Storm Water

- a. Conduct at least 50 inspections of permitted and unpermitted facilities which will include the construction and auto salvage sectors as resources allow. In the Utah End-of-Year Report, include the number of storm water inspections actually conducted since these are not necessarily entered into PCS. ^{CPM E5}

STATUS: *56 storm water inspections were conducted and entered into PCS.*

- b. Develop a storm water compliance and enforcement strategy within six (6) months of receiving a copy of EPA's national strategy.

STATUS: *This task is ongoing. A copy of EPA's National Strategy has been requested by DWQ. It was received on Nov. 15, 2004.*

- c. Provide EPA with a copy of Utah's current storm water permit tracking system semi-annual by December 31, 2003 and June 30, 2004, either electronically or on CD-rom.

STATUS: *Copies of the tracking reports are transmitted under separate cover.*

6. Assure consistent enforcement of WET requirements in permits.

- a. Following EPA's review and comment, revise Utah's WET policy and guidelines in order to assure alignment with EPA's national WET policy and/or regulations. Target 120 days following receipt of EPA's final comments.

STATUS: *EPA has not given Utah final comments on the State policy that was submitted. When this is done we will respond by submitting a revised plan.*

- b. Utah will enforce its UPDES permit WET limits and compliance schedule violations in accordance with the enforcement guidance contained in its February 15, 1991 "Permitting and Enforcement Guidance Document for Whole Effluent Toxicity Control," and any subsequent revisions.

Results: *This ongoing as required.*

7. Biosolids-Promote the beneficial use of biosolids

- c. Continue to conduct Biosolids inspections. The goal will be to conduct inspections on 50 % of Utah's biosolids-only permittees annually. In the End-of-Year Report, include the number of Biosolids inspections actually conducted.

STATUS: *27 biosolids inspections were completed in FY 2004. This represents 90% of the permitted biosolids facilities.*

- d. Reissue all 7 permits which will expire in FY2004 plus those early renewals needed to transition into consolidated permits

STATUS: *Eight Biosolids permits were issued in FY 2004. This includes 7 facilities that were renewed and 1 new facility. Of the seven facilities renewed, five were included into consolidated permits and two were individual permits.*

8. Enforcement Agreement.

Evaluate/revise/update Utah's State/EPA Enforcement Agreement as appropriate and warranted.

STATUS: *Updating and revising the agreement has not yet been considered needed or prudent.*

9. Concentrated Animal Feeding Operations (CAFOs)

- a. Continue to implement "Utah's Strategy To Address Pollution From Animal Feeding Operations"

STATUS: *We continue to follow the strategy.*

- b. Maintain an inventory of all permitted CAFOs during FY2004

STATUS: *We have and will continue to maintain an inventory.*

- c. Inspect at least 20 CAFOs during FY2004 which includes those also covered by groundwater permits

STATUS: *Seventeen CAFO's were inspected during FY 2004 including 3 having ground water permits.*

- d. Coordinate with the Region to ensure Regional accessibility to CAFO information, including permit, inspection, and enforcement data

STATUS: *We continue to coordinate and information is entered into PCS.*

- e. Include in the End-of-Year report for FY 2004:

- i. Total known number of CAFOs in Utah and of these, the number of permitted CAFOs

STATUS: *50 CAFOs, 50 Permitted.*

- ii. Total known number of CAFOs in priority areas and of these, the number permitted

STATUS: *50 in priority areas, 50 permitted.*

- iii. Names and HUC codes for priority watersheds in the state

STATUS:

<i>16010204</i>	<i>Lower Bear - Malad</i>
<i>16010101</i>	<i>Upper Bear</i>
<i>16020101</i>	<i>Upper Weber</i>
<i>16020102</i>	<i>Lower Weber</i>
<i>16020204</i>	<i>Jordan</i>
<i>16020203</i>	<i>Provo</i>
<i>16020202</i>	<i>Spanish Fork</i>
<i>14060003</i>	<i>Duchesne</i>
<i>14060002</i>	<i>Ashley – Brush</i>
<i>16030007</i>	<i>Beaver Bottoms – Upper Beaver</i>
<i>16030001</i>	<i>Upper Sevier</i>
<i>16030002</i>	<i>East Fork Sevier</i>
<i>15010008</i>	<i>Upper Virgin</i>

- iv. Numbers and percent of total known CAFOs in Utah inspected

STATUS: **17 including 3 with ground water permits.**

- v. Numbers and percent of total known CAFOs in priority areas inspected

STATUS: **17 including 3 with ground water permits.**

- vi. Number of enforcement actions taken against CAFOs, including:
- Number of settlements
- For each case, any penalty amount assessed and collected

STATUS: **No enforcement actions were taken against CAFO's in FY2004.**

10. Report to EPA in the End Of Year Report the number of the following types of inspections:

- a. Majors
- b. Minors
- c. Storm Water
- d. CAFOs
- e. Biosolids
- f. SSOs
- g. Pretreatment
- h. Priority Areas

EPA will determine the number of inspections conducted at midyear (March 31, 2004) by

DWQ in each category above by pulling this information from PCS. Any inspections, which do not appear in PCS by March 31, 2004, will not be counted in the midyear numbers.

STATUS:

Number of Inspections

26 Majors
36 Minors
56 Storm water
17 CAFOs
27 Biosolids
0 SSOs
17 Pretreatment
0 SSOs (Priority Sector)
17 CAFOs (Priority Sector)
56 Storm water (Priority Sector)

11. Permit, inspect and enforce permit provisions for wastewater associated with Coal Bed Methane wells.

STATUS: These facilities are permitted, inspected and enforced against the same as any other permitted facility. This is routinely done.

12. Submit to EPA appropriate enforcement documents at appropriate times as follows:

- a. NOVs as they are mailed to the violator

STATUS: This is routinely done and will continue.

- b. Draft SAs for Majors and actions taken in the wet weather priority area (storm water, SSOs, and CAFOs) with penalty calculations and rationale as they are completed

STATUS: SA's for majors will continue to be sent to EPA as per our Enforcement Agreement

- c. SAs for minor permittees and unpermitted facilities as they are settled

STATUS: SAs for minors and unpermitted facilities will continue to be sent to EPA as they are settled.

**FY 2004 UTAH GROUND WATER PROTECTION SECTION
PERFORMANCE PARTNERSHIP AGREEMENT**

GOALS

1. Continue administration of a comprehensive ground water protection program according to priorities established in Utah Ground Water Protection Strategy and the annual FY 2004 Division of Water Quality/Goals and objectives.

Measures:

- a. End-of-year report as required by 106 grant on achievement of FY 2004 DWQ/Ground Water Program Goals and objectives - due 12/31/04.

STATUS: *End-of-year report provided below.*

- b. Statewide Permitting Program administered in accordance with strategy and state rules.

STATUS: *Currently administering 38 ground water quality discharge permits (less than last year due to permit consolidations, terminations, or program transfers) including annual inspections, review of compliance monitoring data and, where necessary, applying enforcement actions. In the process of preparing draft ground water quality discharge permits for five existing facilities.*

Successfully completed the Natural Resource Damage Claim for Kennecott Utah Copper ground water contamination in the Salt Lake Valley aquifer system. Currently in the process of responding to public comments associated with the Ensign-Bickford Company Natural Resource Damage Claim and ground water Corrective Action Plan after holding a public comment period and open house. Completed four petroleum ground water clean up/closure cases and determined further action at two other petroleum release sites.

- c. Education efforts conducted to encourage awareness of ground water protection issues.

STATUS: *Made approximately 24 presentations at primary and secondary schools (2 per month) on ground water resource awareness and protection efforts. Continued consultation efforts with local planning commissions and other community groups actively involved in ground water resource protection efforts. Held the annual water conference with the Utah League of Cities and Towns and hosted water quality protection information booth at 6 conferences.*

- d. Data collected in order to complete the ground water component of the 305b report utilizing appropriate measurement criteria. Report to be completed - 4/15/04.

STATUS: *Ground water data was collected but because the submission of stream and lake water quality assessment for the 305(b) report via EPA's Assessment Data Base was allowed, the State had to only submit an abbreviated 305(b) report. This abbreviated report required the State to complete the stream and lake portions of the 305(b) for 2003.*

- e. Continued efforts to encourage local governments to institute ground water protection measures.

STATUS: *Aquifer Classification studies are currently underway for the Castle Valley and Spanish Valley aquifers in Grand County, the Navajo/Kayenta aquifer in Washington County, and the Sanpete Valley aquifer in Sanpete County. In conjunction with the Utah League of Cities and Towns a small water protection conference was held comprised of local planners and water officials from within Utah and neighboring states.*

COMMUNITY-BASED/WATERSHED APPROACH TO
WATER QUALITY MANAGEMENT
FY-04 PERFORMANCE PARTNERSHIP AGREEMENT ^{CBEP}

July 29, 2003

WQM and TMDL Sections, DWQ

GOAL:

1. Maintain strong State institutional capabilities to implement Watershed Approach and the Nonpoint Source Program: ^{WTR}
 - ◆ Continue active support of Partners for Conservation and Development (UPC&D)
 - ◆ Utilize and enhance State GIS capabilities for watershed planning and implementation.
 - ◆ Submit 319 mid-year and annual reports and maintain Nonpoint Source Grants Reporting and Tracking System (GRTS).
 - ◆ Continue implementation of upgraded NPS Pollution Management Program Plan. Revise components related to hydrologic modification. Develop a schedule to revise/update the NPS Pollution Management Plan by 2006.
 - ◆ Develop and pursue approval for stormwater/urban run-off and mining components of the Management Plan.

Measures:

- a. Continued development and revision of base data layers for watershed management unit status reports and TMDL plans including maps of 303(d) waters and other environmental features. (NPS Plan Task 26) ^{CPM W13}

STATUS: *The DWQ GIS technician prepared numerous maps for all basins illustrating the results of new beneficial use assessments for the 2004 303(d) List of impaired waters and the 305(b) Report. Numerous other maps were completed supporting TMDL development and other programs within DWQ including monitoring, permitting and ground water protection.*

- b. GRTS is updated semi-annually and reports are submitted according to May 1st and November 1st deadlines. (NPS Plan Task 33)

STATUS: *Mid-year reports for 319 projects were entered according to the newly adjusted deadline of July 1st. Entry of the annual reports, which are supposed to be received by both UDAF and DEQ in August are not all entered as of this report. UDAF as of first of November was at 70% entry. DEQ still has numerous reports yet to be received from sponsors. Completion is expected by the end of December. The new agreed to entry deadline is January 1st of each year.*

- c. Complete revisions of hydrologic modification and stormwater/urban run-off plans by December 2004 and April 2004, respectively.

STATUS: *Both of these plans are delayed due to other work priorities and assignments. The best estimate for revising the Hydromod Plan is another 12 to 18 months from now depending on completion of the Small Reservoir Flushing Impact study at USU Water Research Lab. The study will develop recommended BMP which will be incorporated into the Plan revision. A rough draft of the Stormwater Plan is nearly complete and should be ready to submit to EPA for approval before May 2005.*

- d. The planning target to complete the NPS mining plan component is May 1, 2005.

STATUS: *The effort to develop an NPS Mining Plan is underway. The focus of the Plan will be on Abandoned Mines. A Technical Advisory Committee was formed in May and has met three times developing the scope and outline for the plan. Steve Jensen, water resources manager for Salt Lake County Public Utilities is the chair of the committee and has prepared a rough draft of the Plan patterned after the Colorado Plan. The desire is to have the Plan completed and approved by EPA by the middle of next year.*

- 2. Ensure that federal land management is consistent with State Nonpoint Source Pollution Management Plan and watershed needs and concerns:

- ◆ Conduct annual program/project/monitoring review meeting.
- ◆ Conduct field audits on selected projects and review federal actions.
- ◆ Implement cooperative monitoring programs and work jointly for consistent procedures and protocols.
- ◆ Evaluate need and establish schedule as resources permit to revise MOUs with Forest Service and BLM.

- ◆ Works closely with federal land management agencies to identify the 303(d) listed waters on federal lands and work jointly to develop and implement TMDL.

Measures:

- a. % of stream miles and lake acres monitored which meet designated uses for aquatic life and recreation on public lands (NPS Plan Task 3) ^{CPM W4}

STATUS: *Nearly 85% of the assessed stream miles on public lands (Forest Service and BLM) are currently meeting aquatic life and recreation uses. Some 88% of lake/reservoir acres assessed are meeting the aquatic life and recreation uses. This figure includes Lake Powell which accounts for about 66% of those acres.*

- b. Completed field project reviews with documented observations and recommendations summarized in NPS Program Annual Report. (NPS Plan Task 29)

STATUS: *No project field reviews were conducted with BLM this past year due to changes in personnel assignments within BLM. Heidi Hadley became the Colorado River Salinity coordinator for BLM. George Cruz is the new state hydrologist and is stationed in the Richfield Field Office. Field efforts with the Forest Service was dedicated to assisting with data collection and watershed surveys to support TMDL development for several lakes on the North Slope of the Uinta Mountains.*

- c. Number of 303(d) water bodies (streams and lakes) located on public lands (FS and BLM) and number of TMDLs developed in conjunction with and support of FS or BLM. Report results in EOY report for the PPA and NPS annual report. (NPS Plan Tasks 3 & 5)

STATUS: *During the last assessment period for the 2004 303(d) List, there were 52 stream waterbodies (assessment units) and 14 lakes listed on the 303(d) List (category 5A and 5B) which are located on public lands (Forest Service and BLM).*

- d. Depending upon resource constraints related to fires and other management priorities, work jointly to revise memorandum of understanding with FS and BLM (NPS Plan Task 20)

STATUS: *Currently this is a low priority task. No efforts were devoted to revising the MOUs with the Forest Service and BLM during the past year.*

Although we have no TMDLs developed in conjunction directly with the FS or BLM, we have negotiated an agreement and have in place a scope of work whereby 5 lakes/reservoirs will be completed and submitted during the next reporting cycle.

- 3. Improve public awareness and support of TMDL development and implementation through the watershed approach and nonpoint source program: ^{WTR}

- ◆ Continue to work on revising the 1995 NPS I&E strategy to support development and implementation of TMDLs.
- ◆ Increase non-governmental partnership in implementing the Watershed Approach and NPS Management Program.
- ◆ Promote the Watershed Approach to TMDL development via conferences, newsletters and basin workshops and through the Utah Partners for Conservation and Development.

Measures:

- a. Number of new Adopt-A-Waterbody groups and number of groups linked to TMDL waters. (NPS Plan Tasks 16 & 17)

STATUS: *Some 106 new AAW groups formed during this year at 69 new sites primarily as a result of the promotion and publicity surrounding Governor Walker's Watershed Initiative. This was twice as many groups signed up in one year than since the beginning of the program. Everyone of the Governor's "top 25" watersheds has an active AAW group. Most of the AAW sites are located in TMDL implementation watershed although the exact number was not tracked by the program.*

- b. Number and type of new partnerships, i.e. environmental and commodity groups created and their mission or purpose explained. (NPS Plan Tasks 9 & 10)

STATUS: *Two new alliances or partnerships were created by DWQ this year. One was the Great Salt Lake Steering Committee formed to advise the Division in the development of water quality standards for the Lake. The committee is composed of representatives of industry, local sewer districts, environmental groups, universities, state and federal agencies. A Great Salt Lake Science Panel was also formed to oversee and advise DWQ in the conduct of special studies under the direction of the Steering Committee. The other partnership was a Technical Advisory Committee formed to help the Division prepare a Nonpoint Source Management Plan for abandoned mines in Utah. Such a Plan must be submitted to EPA and approved for the State to be eligible to use 319 funding to address water quality problems from abandoned mines. The TAC is composed of several nongovernmental offices (NGOs), mining industry, Tout Unlimited, state and federal agencies. The committee is chaired by Steve Jensen, the water resources manager for Salt Lake County Public Utilities.*

- c. Revised NPS Program I&E Outreach Strategy. Target completion date is December 2003. (NPS Plan Task 17)

STATUS: *The Strategy is still in progress. Much of this year has been devoted to implementing the Governor's Watershed Initiative which is a major part of the strategy. The key element of the Initiative was the promotion of the Adopt-A-Waterbody program throughout the state targeted to the Governor's top twenty-*

five watersheds. Some 106 new AAW groups carried out a variety of on-the-stream activities during the year. The formal strategy itself may be completed sometime next year. No date has been determined at this time.

- d. Document public information actions completed to promote Watershed Approach/TMDL planning process and other key program actions, i.e. WQS, and 303(d) listing. Such actions will be reported in the EOY PPA report. (NPS Plan Task 15)

STATUS: *During this year the Triennial revision of the Water Quality Standards was completed via a public review and formal public hearing process. Several scoping meetings were held at the beginning of the process. Public notices were put in the two major newspapers and written notices with mailed to a broad list of entities. The 2004 303(d) list of impaired waters was also completed and public noticed for a 30-day comment period. Both the 303(d) list and the draft water quality standard were made available on the DWQ web site at www.waterquality@utah.gov. Numerous TMDLs were submitted to EPA this year for approval all of which went through the same public involvement and review process described in previous reports.*

4. Implement nonpoint source best management measures on a priority water quality protection/improvement basis: ^{WTR}
 - ◆ The state will continue implementation of Utah AFO/CAFO strategy.
 - ◆ Solicit and review priority project proposals, PIPs and prepare 319 application.
 - ◆ Monitor and evaluate project implementation jointly with local sponsors.
 - ◆ Conduct watershed evaluations and write reports for selected 319 watershed projects with assistance of ‘partners’ (cooperating agencies).
 - ◆ Report non-319 investment in watershed restoration projects through participation in watershed based/TMDL process.

Measures:

- a. Number and percent of lake acres and stream miles monitored which have water quality supporting designated beneficial uses (NPS Plan Tasks 3 & 5)

STATUS: *Percentages are from the FY2004 305(b) Report. Perennial stream miles assessed 10,606.*

- i. Stream miles fully supporting assessed uses: 74%*
- ii. Lake acres fully supporting assessed uses: 68%*
- iii. Number of lakes assessed: 132 with 74 (56%) full supporting*

- b. Practices implemented appropriately and effectively and natural resource improvements being achieved for 319 NPS Watershed Projects. Also report on reductions in nonpoint source loadings and improvements in water quality for information available. Information will be included in project annual reports, final project reports and NPS Program annual report. (NPS Plan Tasks 2, 6, 36 & 40) ^{CPM WS}

STATUS: *The appropriate implementation of BMPs for 319 projects is monitored by either UACD or NRCS technicians and approved prior to project payments. Environmental results information including improvements in water quality and reductions in nonpoint source loadings are gathered for projects in a variety of methods. These include water quality monitoring by DWQ, gathering data for various measures of stream and riparian health by the NPS Monitoring Workgroup, and modeling of NPD load reductions. Last year NRCS developed the Feedlot Runoff Risk Indicator model which is starting to be used by NPS project coordinators to document load reductions for phosphorus and nitrogen resulting from implementation of CNMPs and other nutrient management plans. Such data will be included in mid-year and annual reports for specific project beginning this year. The sediment yield PSIAC model and the stream sediment direct flow model are being re-run in some watersheds such as Chalk Creek, Little Bear and Otter Creek. Data will be included in progress reports to UDAF for entry into GRTS.*

- c. Report non-319 funding in watershed protection / restoration projects in project annual and final reports. (NPS Plan Task 34)

STATUS: *Only funding levels use as match to 319 dollars are reported regularly by project sponsors to UACD and UDAF. Project sponsors also are aware of the expenditure of other funds such as EQIP, ARDL and Wildlife Habitat Funds in their watersheds however they are not required to report these other funds under terms of their contracts.*

- d. Report progress in implementing Utah AFO/CAFO Strategy through semi-annual reports to 'partners' and an annual progress summary report. (NPS Plan Task 34)

STATUS: *A progress "fact sheet" was prepared by DEQ and a twelve page color progress report was prepared by Jack Wilbur, the state I & E coordinator at the UDAF. The report highlighted the success and accomplishments in implementing the AFO/CAFO Strategy during the past five years. Regular mid-year and annual reports are received from UACD and Utah Farm Bureau on PIP relative to implementing the Strategy. Oral reports are given once or twice a year to the AFO/CAFO committee, USCC, Water Quality Board and the NPS Task Force.*

- e. Continue to provide information on fish consumption advisories through the National Listing of Fish and Wildlife Advisories. Such state advisories are posted on the DEQ/DWQ Web site at www.waterquality.utah.gov. ^{CPM W3}

STATUS: *Fish consumption advisories in Utah are reported annually through the National Listing of Fish and Wildlife Advisories. This year the advisory for American Fork Canyon was removed and the American Fork River was delisted from the 303(d) list. A new health advisory for arsenic was posted recently for the consumption of trout in Silver Creek in Summit County.*

5. Implement aggressively the watershed approach to TMDL development and implementation in Utah to complete assessments and develop TMDLs for impaired waters according to the approved 303(d) list. ^{CBEF, WTR}

- ◆ Provide leadership and direction in promoting the TMDL process/Watershed Approach to water quality management for targeted areas of impairment.
- ◆ Complete water quality assessment reports for the Uinta Basin, Sevier, Cedar-Beaver and Lower Colorado River basins, West Colorado River basin and the Southeast Colorado River basin.
- ◆ Promote development of local basin Steering Committees and Technical Advisory groups to oversee development and implementation of TMDL / watershed based plans.
- ◆ Work with USDA/NRCS to integrate EQIP funding into the watershed approach basin NPS priority areas by serving on local Work Groups, State Technical Committee and providing input to priority setting process for EQIP, and preparation of basin water quality plans.
- ◆ Work with local basin steering and technical advisory committees to develop TMDLs or watershed plans in accordance with Watershed Approach Framework and EPA guidance.
- ◆ Establish local watershed coordinator positions for high priority watersheds

Measures:

- a. Number of completed TMDLs or Watershed Plans and identify those in progress. (NPS Plan Task 4)

STATUS: *The following table indicates the number of completed TMDLs at 65%.*

Year	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Annual% Goal	4%	4%	4%	4%	12%	12%	12%	12%	9%	9%	9%	9%
Cumulative% Goal	4%	8%	12%	16%	28%	40%	52%	64%	73%	82%	91%	100%
% TMDLs Completed		18%		36%		65%		77%				
# TMDLs Completed							7	10				

TMDLs currently in progress include: Jordan River, Utah Lake, Middle Bear River, Upper Bear River, Tony Grove Reservoir, Lyman Lake, Bridger Lake, China Lake, Marsh Lake, Matt Warner Reservoir, Crouse Reservoir, Koosharem Reservoir, Otter Creek Reservoir, Lower Box Reservoir, Saleratus Creek, Echo Creek, Echo Reservoir, Thistle Creek and Soldier Creek.

- b. Number of basin steering and technical advisory committees formed and functioning (NPS Plan Tasks 9 & 10)

STATUS: *Approximately 25 planning groups are functioning.*

- c. Number of watershed or community based projects or % of land area included in community based/watershed planning/implementation projects (NPS Plan Tasks 9 & 10)

STATUS: *Every major basin in the state has at least one watershed committee with the exception of the West Desert area. Low populations and lack of impaired waters have not warranted activities in this basin.*

- d. Watershed Management Unit water quality assessment reports completed for Uinta Basin, and Sevier River, Cedar-Beaver and Lower Colorado River basins. (NPS Plan Task 3)

STATUS: *The following assessment reports and “fact sheets” were completed this past year and are contained in the 2004 305(b) Report: Uinta Basin, Sevier River, Cedar/Beaver, Lower Colorado, Southeast Colorado River and the Southwest Colorado River. All of the reports and “fact sheets” will soon be posted on the division’s WEB site at www.waterquality@utah.gov.*

- e. Number of priority NPS watershed areas where EQIP funds are being used (NPS Plan Task 34)

STATUS: *The EQIP FY04 allocation information for Utah was not available from NRCS in time for this report. It has been requested and will be included as part of the Nonpoint Management Program Annual Report for FY-2004.*

- f. Number of priority watershed coordinator positions developed and implemented. (NPS Plan Task 9)

STATUS: *Currently there are local watershed coordinators located in eight priority areas across the state. They are as follow: Lower Colorado, Upper Sevier River, Middle Sevier River and Fremont River, San Pitch River, East Canyon, Lower Weber and Bear River. These positions are all funded in part with 319 funds plus the match provided by the DWQ. In many cases other sources of revenue, including NRCS Technical Service Provider, UACD funds and Extension Service are also funding a portion of these positions. The main function of these positions is to facilitate and track the implementation of TMDLs in conjunction with the local watershed committees.*

- 6. Maintain Water Quality Standards as the basis for effective water quality management and assessment programs.

Measures:

- a. Complete triennial review of WQS including revision of anti-degradation implementation procedures, and submit to the EPA Regional Administrator for review and approval. (December 15, 2003)

STATUS: *This task was completed this year. The effective date of the revision is January 6, 2004.*

- b. Complete use attainability analysis for irrigation ditches and canals (April 30, 2004)

STATUS: *This task is considered low priority and will not be addressed at this time.*

- c. Revise Water Quality Standards and prepare for adoption by the Utah Water Quality Board. (November 2003)

STATUS: *This revision is underway as started in FY2004. It will primarily address changing from a fecal coliform standard to an E. Coli. standard and several site-specific changes to the TDS standard as a result of TMDL assessments and development.*

- 7. Maintain compliance with Section 303(d) list submittal requirements and completion of scheduled TMDLs as negotiated with EPA

Measures:

- a. Submit FY-2004 303(d) list to EPA on or before April 1, 2004. The list will identify TMDLs completed during reporting period and those proposed for completion during next reporting period and water proposed for delisting. (NPS Plan Task 3 & 5) ^{CPM, W6}

STATUS: *The FY-2004 303(d) List was submitted to EPA on March 30, 2004 and then amended on August 30, 2004. The list was approved by EPA on September 20, 2004.*

- b. Submit completed TMDLs to EPA for review and approval by April 1, 2004 according to TMDL development schedule. (NPS Plan Task 4)

STATUS: *As indicated previously, all schedule TMDLs were submitted to EPA for approval on April 1, 2004. Currently EPA still hasn't acted on the approval of the Ashley Creek TMDL submitted in August, 2003. This is a TMDL that needs EPA action as required under the CWA.*

- c. Prepare credible data criteria with input from DWQ programs and partner agencies. Final by September 1, 2003 and distribute to cooperating agencies and other potential users for use in establishing the 303(d) list of impaired waters.

STATUS: *A draft has been submitted to EPA for review. DWQ is awaiting comments from EPA. Comments have been delayed due to heavy TMDL review workload.*